phs memory®

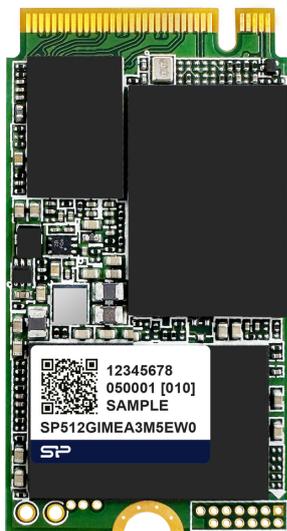# 512GB MEA3M0E - Industrial SSD - 3D TLC - M.2 2242 (M Key) - PCIe Gen4x4, NVMe 2.0 - Wide Temp - SP512GIMEA3M5EW0

phs memory®

Preis auf Anfrage

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Your benefits

✓ verified quality

✓ many years of IT competence

✓ high availability

✓ free support on our hotline

✓ fast delivery

100% quality

- many years of IT competence
- Free support for optimal configuration and product selection
- High availability through professional warehouse management
- Fast delivery in throughout Europe
- Short response times and professional order processing due to full digitalization throughout the entire process with complete traceability
- Incoming goods inspections include checks of the components in order to exclude possible errors already in the incoming goods department (Controlled BOM).
- Products with unique serial number for service and warranty
- Pre-sales and after-sales support by technically trained personnel

Product information

General

Interface	PCIe Gen4x4, NVMe 2.0
Flash Technology	3D TLC
Capacity	512GB
Form Factor	M.2 2242 (M key)
Dimensions	42.0 x 22.0 x 3.5 mm
External DRAM Buffer	No
Manufacturer Part No.	SP512GIMEA3M5EW0

Performance

Seq. Performance Read (max.)	4,700 MB/s
Seq. Performance Write (max.)	4,400 MB/s
Random 4K Read (IOPS max.)	858,000
Random 4K Write (IOPS max.)	622,000
MTBF @ 25 °C	>3,000,000 hrs
P/E Cycle	3,000
TBW	1,284 TB

Operating Environment

Operating Temperature	-40°C~85°C
Storage Temperature	-55°C~95°C
Operating Humidity	10%~95% (30°C Max. Wet Bulb Temp)
Vibration	20G p-p, 10~2000Hz
Drop	75cm
Shock	1,500G@0.5ms

Power Consumption

Power Requirement	DC 3.3V
Power Operation (max.)	1670mA
Power Idle / Standby	220mA

Key Features

Advanced Power Shield	Yes
End-to-End Data Protection	Yes
TCG Opal 2.0	Yes
AES-256	Yes
Thermal Throttling	Yes
DEVSLP	Yes
S.M.A.R.T	Yes
Write Protect	Optional
Quick Erase	Optional
DAP	Yes
FWxpress	Yes

EAN	4713436160946
manufacturer	Silicon Power

Other possible options

Product	SKU	Brand	Reference no.
128GB MEA3M0E - Industrial SSD - 3D TLC - M.2 2242 (M Key) - PCIe Gen4x4, NVMe 2.0 - SP128GIMEA3M5EV0	SP596163	Silicon Power	SP128GIMEA3M5EV0
256GB MEA3M0E - Industrial SSD - 3D TLC - M.2 2242 (M Key) - PCIe Gen4x4, NVMe 2.0 - SP256GIMEA3M5EV0	SP596164	Silicon Power	SP256GIMEA3M5EV0
256GB MEA3M0E - Industrial SSD - 3D TLC - M.2 2242 (M Key) - PCIe Gen4x4, NVMe 2.0 - Wide Temp - SP256GIMEA3M5EW0	SP596165	Silicon Power	SP256GIMEA3M5EW0
512GB MEA3M0E - Industrial SSD - 3D TLC - M.2 2242 (M Key) - PCIe Gen4x4, NVMe 2.0 - SP512GIMEA3M5EV0	SP596166	Silicon Power	SP512GIMEA3M5EV0
512GB MEA3M0E - Industrial SSD - 3D TLC - M.2 2242 (M Key) - PCIe Gen4x4, NVMe 2.0 - Wide Temp - SP512GIMEA3M5EW0	SP596167	Silicon Power	SP512GIMEA3M5EW0
1TB MEA3M0E - Industrial SSD - 3D TLC - M.2 2242 (M Key) - PCIe Gen4x4, NVMe 2.0 - SP010TIMEA3M5EV0	SP596168	Silicon Power	SP010TIMEA3M5EV0
1TB MEA3M0E - Industrial SSD - 3D TLC - M.2 2242 (M Key) - PCIe Gen4x4, NVMe 2.0 - Wide Temp - SP010TIMEA3M5EW0	SP596169	Silicon Power	SP010TIMEA3M5EW0
2TB MEA3M0E - Industrial SSD - 3D TLC - M.2 2242 (M Key) - PCIe Gen4x4, NVMe 2.0 - SP020TIMEA3M5EV0	SP596170	Silicon Power	SP020TIMEA3M5EV0

Contact Information

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All information without guarantee. Technical changes and errors excepted. You can find current price information in our online shop at https://www.phs-memory.fr